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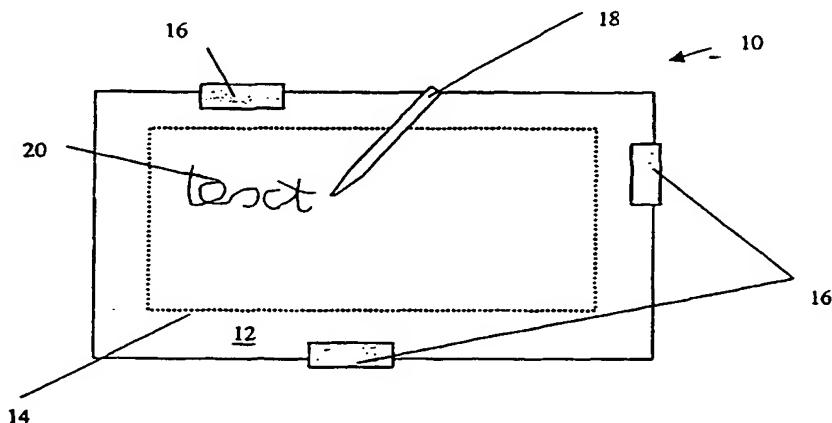
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(54) Title: **CONTACT SENSITIVE DEVICE**



(57) Abstract: A method and apparatus using bending wave vibration to calculate information relating to a contact on a contact sensitive device (10). The method comprises the steps of providing a member in the contact sensitive device capable of supporting bending waves, providing means attached to the member for measuring bending wave propagation in the member to determine a measured bending wave signal and processing the measured bending wave signal to calculate information relating to the contact. The contact sensitive device (10) may comprise a transparent touch sensitive plate (12) mounted in front of a display device (14). A stylus (18) in the form of a pen may be used for writing text (20) or other matter on the touch sensitive plate (12). The transparent touch sensitive plate (12) may also be an acoustic device capable of supporting bending wave vibration. Three transducers (16) are mounted on the plate (12). At least two of the transducers (16) are sensing transducers or sensors and are thus sensitive to and monitor bending wave vibration in the plate.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	GB 2 301 217 A (NOKIA MOBILE PHONES LTD) 27 November 1996 (1996-11-27) abstract page 1, line 2 - line 4 ----- -/--	54,56

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 412 189 A (CRAGUN BRIAN J) 2 May 1995 (1995-05-02) abstract -----	55
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